

METHOD AND APPARATUS FOR IMAGE SENSING WITH CCD

ABSTRACT

A method for producing electronic video signals representative of a focused moveable image includes the following steps: providing a charge coupled device, masking substantially less than half of the lines of the device to form a masked storage area and a substantially larger unmasked sensing area; disposing the sensing area in the path of the image; providing a shutter for periodically blocking the image from the sensing area; and providing clocking signals to the device to shift sensed lines of the image from the sensing area to the storage area and to clock image representative electronic video signals out of the device.